Air Regulations Overview

1970 Clean Air Act Amended 1975 and 1977

National Ambient Air Quality Standards (NAAQS)

Health Based Standards for Clean Air

CO, NO_x, Lead, SO_x, OZONE (VOC), Particulate Matter

Attainment / Non-attainment

NESHAPS

(40 CFR Part 61)

National Emission Standards for Hazardous Air Pollutants

Tautona		Sivil Stallaal as for Hazar avas fill I vilatair	<i>.</i>
Pollutant	t	Facility or Emission Unit Type	40 CFR 61 Subpart
Radon		Underground uranium mines; Department of Energy facilities, phosphorus fertilizer plants; and facilities processing or disposing of uranium ore tailings.	B, Q, R,T, W
Beryllium	L	Beryllium extraction plants, ceramic plants, foundries, incinerators, propellant plants, machine shops that process beryllium containing material; and rocket motor firing test sites.	C, D
Mercury		Mercury ore processing; Manufacturing processes using mercury chloralkali cells; and sludge incinerators.	E
Vinyl Chl	oride	Ethylene dichloride manufacturing via oxygen, HCL and ethylene; vinyl chloride manufacturing; and polyvinyl chloride manufacturing.	F
Radionucl	lides	Department of Energy; Nuclear Regulatory Commission licensed facilities; other federal facilities; and elemental phosphorus plants.	H, I, K

NESHAPS

(40 CFR Part 61)

National Emission Standards for Hazardous Air Pollutants

Pollutant	Facility or Emission Unit Type	40 CFR 61 Subpart
Benezene	Fugitive process, storage, and transfer equipment leaks; coke by-product recovery plants; benzine storage vessels; benzine transfer operations; benzine waste operations,	J, L, Y, BB, FF
Asbestos*	Asbestos mills; roadway surfacing with asbestos tailings; manufacture of products containing asbestos; demolition; renovation; and spraying and disposal waste.	M
Inorganic Arsenic	Glass manufacturer; primary copper smelter; arsenic trioxide and metallic arsenic production facilities.	N, O, P
Volatile Hazardous Air Pollutants (VHAP)	Pumps; compressors, pressure relief devices, connections, valves, lines, flanges, product accumulator vessels, etc. in VHAP service	V

^{*} If the source is the only subject to 40 CFR ' 61.145 (subpart M Standard for Demolition and Renovation) because it is doing asbestos abatement, a Title V permit is not required.

NSPS

(40 CFR Part 60)

New source Performance Standards – 80 plus

Examples:		
Effective Date		

of Construction

or Modification

Subpart Source Categories

After 8/17/71

After 6/09/89

After 6/11/73

Fossil-Fuel-Fired Stream Generators, more than 250 Million Btu/hr. heat input

After 9/18/78 Da

Electric Utility Steam Generating Units, more than 250 million Btu/hr. heat input of fossil fuel (either alone or in combination with any other fuel)

Small Industrial-Commercial-Institutional Steam Generating Units, greater than 10

After 6/19/84 Db

Industrial-Commercial-Institutional Steam, Generating Units, greater than 100 million Btu/hr. heat input

million Btu/hr but less than 100million Btu/hr

Hot Mix Asphalt Facilities

and 7/23/84 gallons

Between 6/11/73 constructed

Storage Vessels for Petroleum Liquids, capacity: 40,000-60,000 gallons,

Ka

Dc

between 3/8/74 and 5/29/78; greater than 65,000 gallons capacity: constructed between 6/11/73 and 5/19/78 Storage Vessels for Petroleum Liquids, greater than 40,000 but less than 420,000

Continue -

And 5/19/78 Between 5/18/78

NSPS

(40 CFR Part 60)

New source Performance Standards – 80 plus

Examples:

Effective I	Date of		
Constructi	on or		
Modificati	on	Subpart	Source Categories
After 7/23/8	34	Kb	Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels),storage capacity greater than or equal to 40 m ³
After 8/03/7	8	DD	Grain Elevators, permanent grain storage capacity of 1 million bushels
After 12/17/	/80	XX	Bulk Gasoline Terminals, gasoline throughput greater than 75,000 liters/day
After 8/31/8	33	000	Nonmetallic Mineral Processing Plants

NESHAPS

(40 CFR Part 63)

National Emission Standards for Hazardous Air Pollutants for Source Categories – MACT Standards

Examples:

Subpart R National Emission Standards for Gasoline Distribution Facilities (Bulk

Gasoline Terminals and Pipeline Breakout Stations

Subpart LLL National Emission Standards for Hazardous Air Pollutants From the

Portland Cement Manufacturing Industry

Subpart VVVV National Emission Standards for Hazardous Air Pollutants for Boat

Manufacturing

Subpart QQQQ National Emission Standards for Hazardous Air Pollutants for Friction

Materials Manufacturing Facilities

State Implementation Plan to achieve acceptable air quality

- Requires EPA Approval
- Kansas Air Quality Program 1971
- K.A.R. 28-19-8 Reporting Required / K.A.R. 28-19-14 Permits Required

1990 CAAA

Construction Permit Program

Operating Permit Program

REGULATIONS – K.A.R. Kansas Air Quality Regulations

- K.A.R 28-19-8 through K.A.R. 28-19-801
- K.A.R. 28-19-20 et seq. Particulate Limits
- K.A.R. 28-19-30 et seq. Industrial Heaters
- K.A.R. 28-19-40 et seq. Incinerators
- K.A.R. 28-19-61 through K.A.R. 28-19-77 Johnson and Wyandotte County VOC rules
- K.A.R. 28-19-200 Definitions
- K.A.R. 28-19-300 et seq. Construction Permits and Approvals
- K.A.R. 28-19-350 PSD
- K.A.R. 28-19-400 et seq. General Permits
- K.A.R. 28-19-500 et seq. Operating Permits
- K.A.R. 28-19-650 Opacity
- K.A.R. 28-19-714 through K.A.R. 28-19-719 Johnson and Wyandotte County VOC rules
- K.A.R. 28-19-720 NSPS
- K.A.R. 28-19-721 through K.A.R. 28-19-727 Landfills

Regulations – K.A.R. Kansas Air Quality Regulations

- K.A.R. 28-19-729 incinerators
- K.A.R. 28-19-735 adopts 40 CFR part 61
- K.A.R. 28-19-750 adopts CFR part 63

Basic Environmental Regulatory Training

Tier II Web Application
And
Radiation Protection Regulations

Thomas A. Conley, CHP
Bureau of Air and Radiation

Tier II Web Reporting

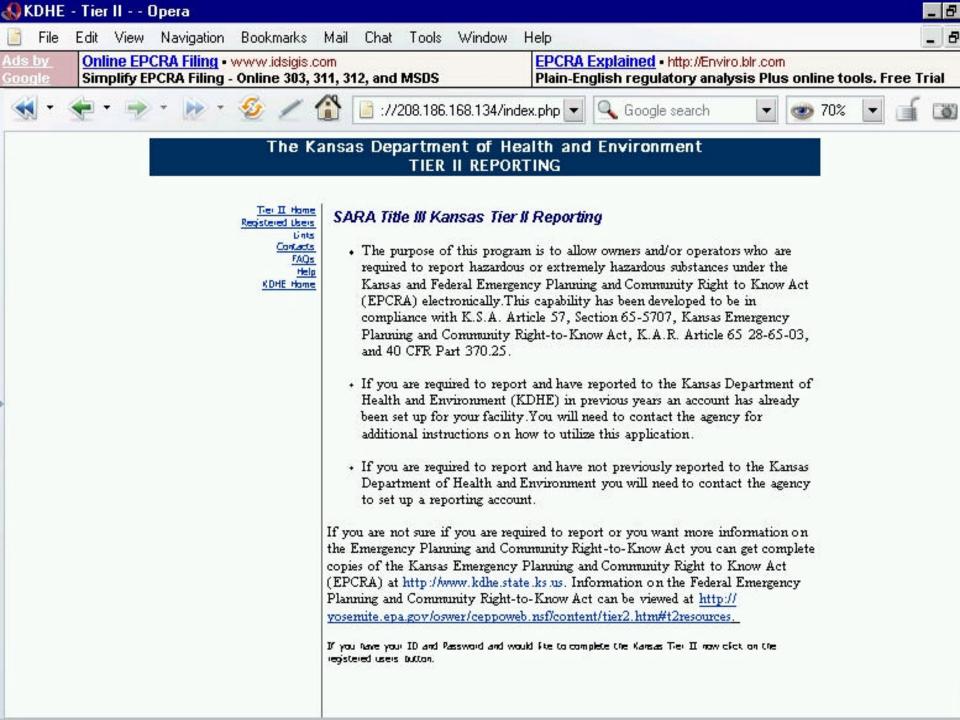
- On Line Web Reporting of the Kansas
 Annual Tier II (Section 312) Report
- Web address http://208.186.168.134/
- Past data is preloaded
- Hard copy Tier II report for LEPCs
- Fee Calculation worksheet
- Certification letter

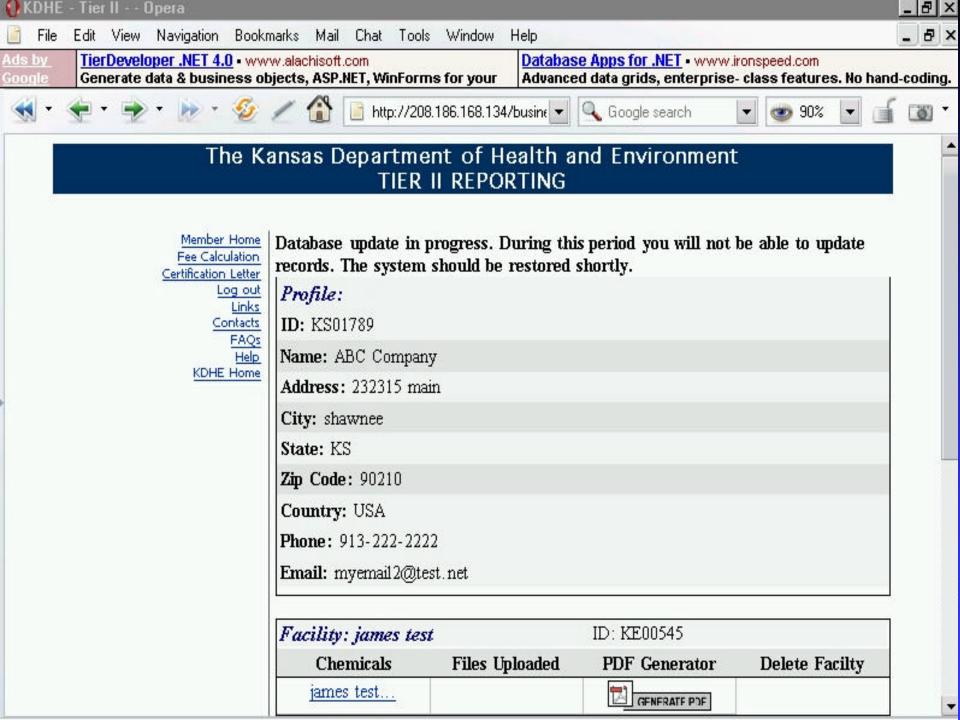
Userid and Password

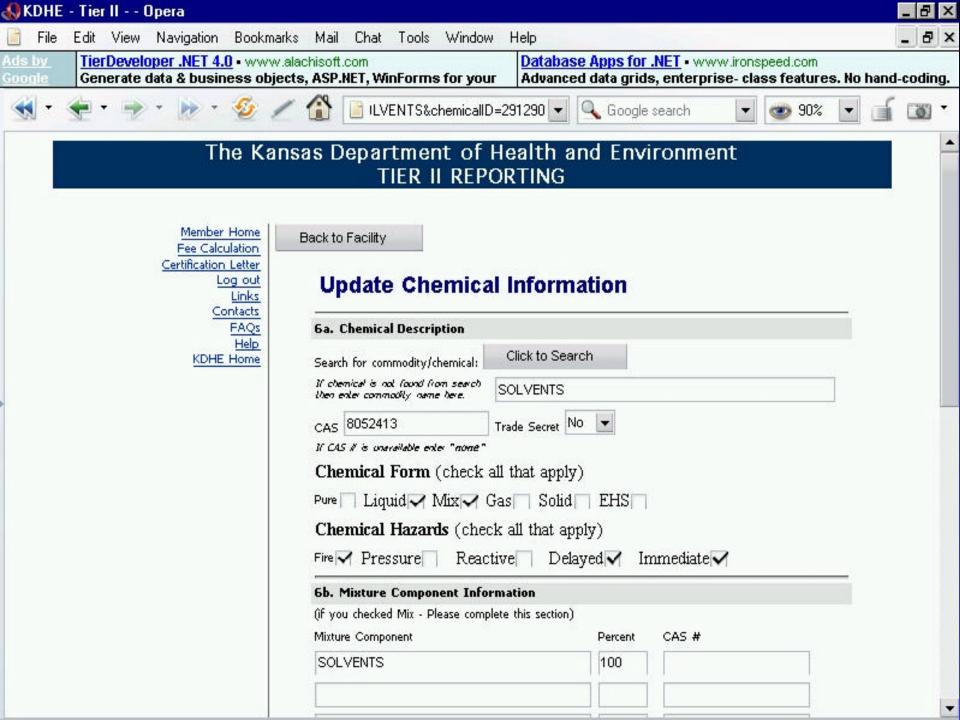
- Submit requests on company letterhead or via email from company's domain
- Include:
 - ◆ Parent Company Name
 - Parent Company Address
 - ◆ Person to whom userid is to be issued
 - ◆ Phone and if available email
 - ◆ Include name, address, contact and phone for each facility

Where to Send Requests

- Mail your requests on company letterhead to:
 - Kansas Department of Health and Environment, 1000 SW Jackson, Suite 310, Topeka, Kansas 66612-1366.
- Email requests can be sent to:
 - moestreich@kdhe.state.ks.us









Radiation Regulations

- Rewrite of the entire set of radiation regulations.
- Current regulations are outdated and obsolete
 - ◆ industry practices, standards and technologies
 - ◆ Last update was in 1994
 - ◆ Many have not been updated since 1985
- No longer compatible with other States and Federal regulations
 - Required by the Kansas agreement with the Nuclear Regulatory Commission
 - Necessary to maintain a consistent regulatory framework across states

Status

- All have been submitted to the Dept of Administration for review
- Next
 - ◆ Attorney General Review
 - ◆ NRC review (radioactive materials only)
 - ◆ 60 Day public comment period
 - Joint Rules and Regs Committee hearing
 - Public hearing

Revised Regulations Parts 1 – 5

- Part 1 Definitions and fees
- Part 2 X-ray Registration
- Part 3 Radioactive Material Licensing
- Part 4 Standards for Radiation Protection
- Part 5 X-rays in the Healing Arts

Revised Regulations Parts 7 – 14

- Part 7 Industrial Radiography
- Part 8 Analytical X-ray Equipment
- Part 9 Particle Accelerators
- Part 11 Wireline & Subsurface Tracer

New Regulations Parts 6 and 12 – 14

- Part 6 Radioactive Material in the Healing Arts
- Part 12 Therapeutic Radiation Machines
- Part 13 Emergency Response
- Part 14 Irradiators